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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/582,711A

DATE: 06/06/2003

TIME: 14:37:07

Input Set : A:\or5037us.txt

Output Set: N:\CRF4\06062003\I582711A.raw

3 <110> APPLICANT: Serre, Guy  
 4 Girbal-Neuhäuser, Elisabeth  
 5 Vincent, Christian  
 6 Simon, Micheal  
 7 Sebbag, Mireille  
 8 Dalbon, Pascal  
 9 Jolivet-Reynaud, Colette  
 10 Arnaud, Michael  
 12 <120> TITLE OF INVENTION: Peptide epitopes recognized by antifilaggrin autoantibodies

in

13 serum from rheumatoid arthritis patients  
 15 <130> FILE REFERENCE: 45636-5037-US  
 17 <140> CURRENT APPLICATION NUMBER: US 09/582,711A  
 18 <141> CURRENT FILING DATE: 2000-06-30  
 20 <150> PRIOR APPLICATION NUMBER: PCT/FR98/02899  
 21 <151> PRIOR FILING DATE: 1998-12-29  
 23 <160> NUMBER OF SEQ ID NOS: 9  
 25 <170> SOFTWARE: PatentIn version 3.2  
 27 <210> SEQ ID NO: 1  
 28 <211> LENGTH: 24  
 29 <212> TYPE: DNA  
 30 <213> ORGANISM: Artificial  
 32 <220> FEATURE:

33 <223> OTHER INFORMATION: PCR primer to amplify filaggrin

35 <400> SEQUENCE: 1

24

36 ttccatatacc aggtgaggcac tcat

39 <210> SEQ ID NO: 2

40 <211> LENGTH: 25

41 <212> TYPE: DNA

42 <213> ORGANISM: Artificial

44 <220> FEATURE:

45 <223> OTHER INFORMATION: PCR primer to amplify filaggrin

47 <400> SEQUENCE: 2

25

48 agaccctgaa cgtccagacc gtcac

51 <210> SEQ ID NO: 3

52 <211> LENGTH: 49

53 <212> TYPE: PRT

54 <213> ORGANISM: Homo sapiens

56 <400> SEQUENCE: 3

58 Ser Thr Gly His Ser Gly Ser Gln His Ser His Thr Thr Thr Gln Gly

59 1 5 10 15

62 Arg Ser Asp Ala Ser Arg Gly Ser Ser Gly Ser Arg Ser Thr Ser Arg

63 20 25 30

66 Glu Thr Arg Asp Gln Glu Gln Ser Gly Asp Gly Ser Arg His Ser Gly

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67	35	40	45
70	Ser		
74	<210> SEQ ID NO: 4		
75	<211> LENGTH: 37		
76	<212> TYPE: PRT		
77	<213> ORGANISM: Homo sapiens		
79	<400> SEQUENCE: 4		
81	Ser Gln Asp Arg Asp Ser Gln Ala Gln Ser Glu Asp Ser Glu Arg Arg		
82	1 5 10 15		
85	Ser Ala Ser Ala Ser Arg Asn His Arg Gly Ser Ala Gln Glu Gln Ser		
86	20 25 30		
89	Arg Asp Gly Ser Arg		
90	35		
93	<210> SEQ ID NO: 5		
94	<211> LENGTH: 14		
95	<212> TYPE: PRT		
96	<213> ORGANISM: Homo sapiens		
98	<400> SEQUENCE: 5		
100	Glu Gln Ser Ala Asp Ser Ser Arg His Ser Gly Ser Gly His		
101	1 5 10		
104	<210> SEQ ID NO: 6		
105	<211> LENGTH: 14		
106	<212> TYPE: PRT		
107	<213> ORGANISM: Homo sapiens		
109	<400> SEQUENCE: 6		
111	Glu Ser Ser Arg Asp Gly Ser Arg His Pro Arg Ser His Asp		
112	1 5 10		
115	<210> SEQ ID NO: 7		
116	<211> LENGTH: 5		
117	<212> TYPE: PRT		
118	<213> ORGANISM: Artificial		
120	<220> FEATURE:		
121	<223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody		
124	<220> FEATURE:		
125	<221> NAME/KEY: MISC_FEATURE		
126	<222> LOCATION: (1)..(5)		
127	<223> OTHER INFORMATION: Xaa at position 1 = Ser or Gly; Xaa at position 3 = citrulline;		
128	Xaa at position 5 = Ser or Pro.		
130	<400> SEQUENCE: 7		
W-->	132 Xaa Ser Xaa His Xaa		
133	1 5		
136	<210> SEQ ID NO: 8		
137	<211> LENGTH: 6		
138	<212> TYPE: PRT		
139	<213> ORGANISM: Artificial		
141	<220> FEATURE:		
142	<223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody		
145	<220> FEATURE:		
146	<221> NAME/KEY: MISC_FEATURE		

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Input Set : A:\or5037us.txt  
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147 <222> LOCATION: (1)..(6)  
148 <223> OTHER INFORMATION: Xaa at position 1 = Asp; Xaa at position 2 = Ser or Gly; Xaa  
at  
149 position 4 = citrulline; Xaa at position 6 = Ser or Pro.  
151 <400> SEQUENCE: 8  
**W--> 153 Xaa Xaa Ser Xaa His Xaa**  
154 1                   5  
157 <210> SEQ ID NO: 9  
158 <211> LENGTH: 7  
159 <212> TYPE: PRT  
160 <213> ORGANISM: Artificial  
162 <220> FEATURE:  
163 <223> OTHER INFORMATION: epitope recognized by anti-filaggrin antibody  
166 <220> FEATURE:  
167 <221> NAME/KEY: MISC\_FEATURE  
168 <222> LOCATION: (1)..(7)  
169 <223> OTHER INFORMATION: Xaa at position 1 = Asp; Xaa at position 2 = Ser or Gly; Xaa  
at  
170 position 4 = citrulline; Xaa at position 6 = Ser or Pro; Xaa at  
171 position 7 = Gly or Arg.  
173 <400> SEQUENCE: 9  
**W--> 175 Xaa Xaa Ser Xaa His Xaa Xaa**  
176 1                   5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/582,711A

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Input Set : A:\or5037us.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 1,3,5  
Seq#:8; Xaa Pos. 1,2,4,6  
Seq#:9; Xaa Pos. 1,2,4,6,7

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,7,8,9

**VERIFICATION SUMMARY**

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Input Set : A:\or5037us.txt

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L:132 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0

L:153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0

L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0